

# Solid Waste On The Farm

Department of Environmental Protection  
Division of Waste Management  
Field Operations Branch

05/14/2015



# Division of Waste Management

- The Division of Waste Management is Comprised of 6 Branches:
  - Hazardous Waste
  - Solid Waste
  - Underground Storage Tank
  - Recycling and Local Assistance
  - Superfund
  - Field Operations



# Field Operations Branch Locations

•The Division of Waste Management Field Operations Branch is comprised of 10 Regional Offices and 1 Central Office located in Frankfort, KY.





# Field Operations Branch Mission

- Identify and abate imminent threats to human health and the environment through:
  - Inspections
  - Technical Assistance
  - Education





# Regulated Areas

- **Hazardous Waste**
  - Facilities/transporters who generate, transport, treat, store and dispose. (factories, trucking companies, incinerators, etc.)
- **Solid Waste**
  - Facilities who transport and dispose. (Landfills, Transfer Stations, Recycling Centers, etc.)
- **Underground Storage Tanks (UST's)**
  - Facilities who store potential hazardous materials in underground tanks. (Gas Stations, Hospitals, Schools, etc.)
- **Complaint Investigations / Notifications**
  - Complaints that are received from the general public on possible adverse effects to human health and environment. (Open dumps, spills, improper disposal, etc.)

# Waste Management on the Farm

- Farm Fuel Tanks
  - Regulation, and Management
- Animal Disposal/Composting
  - Proper ways of disposal, regulation
- Waste Oil
  - Regulation, Disposal, and Management
- Open Dumps
  - Regulation, Correct Disposal
- Tires
  - Regulation, Exemption, and Management
- Land Farming
  - Regulation, and Management
- Emergency Response/ Spills



# Underground Storage Tank Regulations

- KRS 224.60 -100 - Tanks that are 10% or more below ground and are used for storing a regulated substance.

## ❖ Exemption to Farm Fuel Tanks

- Farm or Residential Tanks of 1,100 gallons or less used for storing fuel for non-commercial purposes.



# Farm Fuel Tanks

- Above Ground Tanks Best Management Practices (BMP's)
  - Replace leaking hoses, minimize spills, examine tank and surroundings.



# Farm Fuel Tanks

- Underground Storage Tank BMP's
  - Replace leaking hoses, minimize spills, examine tank



*How do you check an underground tank?*

# Farm Fuel Tanks

- Things to look for if you suspect a leak in an underground tank.
  - Unexpected loss of fuel from the tank
  - Dead vegetation around where tank is located
  - Strong odor after rain events/ sheen.
  - Product coming out of the ground.
  - Professionally tested





# Animal Disposal

- Regulated by Kentucky Department of Agriculture  
KRS 257.160
- Complete Incineration
- Proper Burying
- Taken to a Licensed Rendering Facility\*
- Taken to an Approved Landfill\*
- Composting at an approved Compost Facility\*



\*The Division of Waste Management regulates the Environmental Performance Standards for these types of facilities.

# Proper Burial

- Under KRS 257.160
  - Buried at least 4 ft deep.
  - Body cavity vented
  - Covered with at least 2" of quicklime or burnt lime
  - Backfilled with at least 3 ft of soil
  - Site shall be at least 100 feet streams, sinkholes, well, spring, public highway, or residence.



# Animal Disposal

## Dead Animal Pickup in Kentucky

#	Renderer Name	City	State	Phone	Pickup Dead Animals?
1	A & S LIVESTOCK, INC.	RUSSELL SPRINGS	KY	270-566-2421	YES
2	BLUEGRASS RECYCLING SERVICE INC	WINCHESTER	KY	812-663-8391	YES
3	CONBOY ENTERPRISES/HORSE HEARSE	LEXINGTON	KY	859-221-6998	YES
4	ELMTREE ANIMAL REMOVAL	TAYLORSVILLE	KY	502-902-1259	YES
5	FRANKLIN COUNTY FISCAL COURT	FRANKFORT	KY	502-875-8751	YES
6	HARMON BROTHERS MEATS INC	WARSAW	KY	859-567-1212	YES
7	LAKESIDE RECYCLING INC	GLASGOW	KY	270-678-5202	YES
8	LARGE ANIMAL COMPOSTING OF KENTUCKY	LIBERTY	KY	859-583-3193	YES
9	LINCOLN CO ROAD DEPT	STANFORD	KY	606-365-4560	YES
10	MADISON CO SOLID WASTE	RICHMOND	KY	859-624-4709	YES
11	MARION CO HWY MAINTENANCE FACILITY	LEBANON	KY	270-692-4181	YES
12	MASON CO FISCAL COURT	MAYSVILLE	KY	606-584-4958	YES
13	NELSON COUNTY SOLID WASTE	BARDSTOWN	KY	502-348-1876	YES
14	PULASKI COUNTY FISCAL COURT	SOMERSET	KY	606-305-3385	YES
15	ROWAN CO ROAD DEPT	MOREHEAD	KY	606-784-5151	YES
16	WASHINGTON CO FISCAL COURT	SPRINGFIELD	KY	859-336-5410	YES
17	WRIGHT OF WAY FARM STOCK REMOVAL	MIDWAY	KY	502-695-2183	YES
18	HERD PACK LLC	LANESVILLE	IN	812-297-1312	YES
19	STANDARD FERTILIZER CO	GREENSBURG	IN	812-663-8391	YES
20	SHIPLEY & SON FARMS LLC	BETHEL	OH	513-734-1818	YES
21	EQUITY GROUP - KENTUCKY DIVISION LLC	ALBANY	KY	606-387-2226	NO
22	GRIFFIN INDUSTRIES - BUTLER	BUTLER	KY	859-472-7361	NO
23	GRIFFIN INDUSTRIES - RUSSELLVILLE	RUSSELLVILLE	KY	270-726-7605	NO
24	NATIONAL CO-PRODUCTS LLC	BURLINGTON	KY	859-371-4789	NO
25	RIVER VALLEY ANIMAL FOODS	HENDERSON	KY	270-521-3150	NO
26	TASMAN INDUSTRIES INC	LOUISVILLE	KY	502-587-0701	NO
27	VOCARS LLC	LOUISVILLE	KY	502-276-6410	NO
28	DARLING INTERNATIONAL INC IL	NATIONAL STOCKYARDS	IL	618-271-8190	NO
29	MILLSTADT RENDERING CO	BELLEVILLE	IL	618-538-5312	NO
30	RESTAURANT TECHNOLOGIES INC	SHARONVILLE	OH	651-757-4630	NO
31	VALLEY PROTEINS INC	STRAWBERRY PLAINS	TN	540-877-2590	NO



# Landfill Facilities

**ANIMAL & PLANT PROGRAMS****REGULATORY PROGRAMS****PROMOTIONAL PROGRAMS**

OFFICESLICENSING & LAWSFORMSNEWSAGNETON-LINE SERVICES

SEARCH

Home > Office of State Veterinarian > Animal Disposal and Rendering

## Animal Disposal and Rendering

Office of the State Veterinarian

Animal MovementLivestock and PoultryEquineStockyards and DealersAnimal Disposal and RenderingHoney BeesEmergency Response

### Animal Disposal and Rendering

All carcasses of domestic livestock, poultry and fish which have died must be disposed of in accordance with Kentucky Revised Statutes.



**Contact This Program**

**Program Links**

- ▶ Dead Animal Pickup in Kentucky
- ▶ Landfill Information provided by Division of Waste Management (xls)

**Licensing and Laws**

- ▶ Animal Disposal and Rendering

**Forms**

- ▶ Animal Disposal and Rendering

**Composting:**

- [Registering Commercial Composting Facilities](#)
- [KDA Regulation on Animal Carcass Composting](#)
- Animal Composting is an approved method of animal disposal under [KRS 257.160](#).
- [On Farm Composting](#)
- [On Farm Disposal](#)
- [Step-by-Step Composting Video](#) (\*0:27-Permitting is no longer required by our office)

**Rendering:**

- [Licensure of Rendering Facilities and Trucks](#) *Renewal by December 31 of each year*
- [Regulating the Proper Disposal of Livestock, Poultry, and Fish Carcasses](#)
- [KDA Rendering Statute](#)

# Used Oil Management

- Oil is the life blood of any equipment used on the farm.





# Used Oil Management

- Under the Resource Conservation and Recovery Act (RCRA) of 1976. Used Oil is a regulated waste.
  - 40 CFR Part 279.1 defines a “used oil generator”.  
*“Any person, by site, whose act or process produces used oil or whose act first causes used oil to become subject to regulation.”*
  - **Some** farmers have an exemption.
    - Average production of 25 gallons or less per month per calendar year. ( $\leq$  300 gallons per year).
    - Has to be from that farming operation.
    - Can be taken to a local collection point for recycling

<http://www.earth911.org/>



# Used Oil Management

- Requirements for used oil generators that are not exempt.
  - Might require an Spill Prevention, Control, Countermeasure (SPCC) plan.
  - Storage containers must be able to closed and in good condition.
  - Must label containers with words “Used Oil”
  - If Oil is spilled or released above the reportable quantity, then the generator must report the spill.
  - Subject to Inspection



# Used Oil Management

- Used Oil for Heat
  - Space heater exemption
    - Only used oil that the facility generates
    - The space heater burning the oil is rated at no more than .5 million BTU.
    - Combustion gases are vented to the ambient air.
- Used Oil for Lubrication
  - No regulations governing using it for lubrication.
    - Keep the spills to a minimum.
    - Put containers down to catch the oil.
- Used Oil for a Dust Suppressant
  - Strictly prohibited



# Farm Dumps



# Open Dumping Statutes

- **KRS 224.40-100-** Disposal at other than permitted site or facility prohibited
- **KRS 224.40-305-** Establishing, constructing, operating, maintaining, or permitting the use of a waste site prohibited



# Farm Dumps









# Farm Dumps





# Farm Dumps



# Environmental Performance Standards

## 401 KAR 30:031

- Section 2: Floodplains
- Section 4: Surface Waters
- Section 8: Disease Vectors
- Section 10: Safety (3) Access
- Section 13 Karst
- Section 14 Compliance



# Waste Tires



# Waste Tires

- **KRS 224.50-856 (2)**-No person shall accumulate more than 25 waste tires for processing
- **KRS 224.50-856 (3)**-No person shall transport more than 50 waste tires at a time
- **KRS 224.50-856 (4)**-No person shall accumulate more than 100 waste tires at a time



# Waste Tires





# Waste Tires





# EXEMPTIONS

- **KRS.50-854**-The waste tire program shall not apply to:

*A person who accumulates waste tires for an **agricultural purpose***

# Waste Tires





# Waste Tires





# Waste Tires





# Waste Tires





# Landfarming

## **Special Waste- High Volume Low Hazard**

*Sludge from water treatment and  
wastewater treatment facilities*

## **Permit Required**

*Type B Special Waste  
Landfarming Permit*

# Landfarming

- Operator Certification
- Post A Sign
- Waste and Soil Sampling
- Application Rate Restrictions
- Subplots Markings
- Required Setbacks
- Grazing and Cropping Restrictions



# Landfarming





# Landfarming





# Landfarming





# Landfarming





# Environmental Response Team



# Environmental Response Team

- **KRS 224.1-400 (11)-Duty to Report**

25 gallons or more (75 gallons Diesel)

Any quantity if a release is to the  
*“Waters of the Commonwealth”*

- **KRS 224.1-400 (18)-Duty of Characterize and Remediate**



# Environmental Response Team

## Cabinet's 24-Hour Spill Reporting Hotline

1-800-928-2380

# Environmental Response Team





# Environmental Response Team





# Environmental Response Team





# Environmental Response Team





# Environmental Response Team





# Environmental Response Team





# Questions ?





# Contact Us

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